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**Complete if Known**

Application Number	09/976,746
Filing Date	October 12, 2001
First Named Inventor	McDONALD, Michael A., et al.
Group Art Unit	1615 1616
Examiner Name	Not yet assigned. HARTU
Attorney Docket Number	004367.00005

Sheet	1	of	5
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Attorney Docket Number	004367.00005
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










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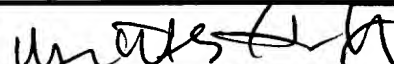
Sheet 2 of 5

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First Named Inventor	McDONALD, Michael A., et al.
Group Art Unit	1614 1616
Examiner Name	Not yet assigned.
Attorney Docket Number	004367.00005

**OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		Allen, et al., "Shell Waves and Acoustic Scattering from Ultrasound Contrast Agents," <i>IEEE Transactions On Ultrasonics, Ferroelectrics, And Frequency Control</i> , Vol. 48, No. 2: 409-418 (March 2001)	
		Barnhart, et al., "Characteristics of Albunex: Air-Filled Albumin Microspheres For Echocardiography Contrast Enhancement," <i>Investigative Radiology</i> , Vol. 2, Suppl. 1: S162-S164 (September 1990)	
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		Church, "The Effects Of An Elastic Solid Surface Layer On The Radial Pulsations of Gas Bubbles," <i>Journal of Acoustical Society of America</i> , Vol. 97, No. 3: 1510-1512 (1995);	
		Daly, et al., "MR Image Time-Intensity Relations In Spleen And Kidney: A Comparative Study of GdDTPA, Albumin-(GdDTPA), and Gd <sub>2</sub> O <sub>3</sub> Colloid," <i>American Journal of Physiologic Imaging</i> , 5: 119-124 (1990);	
		Dayton, et al., "A Preliminary Evaluation of the Effects of Primary and Secondary Radiation Forces On Acoustic Contrast Agents," <i>IEEE Transactions On Ultrasonics, Ferroelectrics, And Frequency Control</i> , Vol. 44, No. 6: 1264-1277 (November 1997);	

Examiner Signature		Date Considered	7/20/2003
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












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Sheet 3 of 5

**Complete if Known**

Application Number	09/976,746
Filing Date	October 12, 2001
First Named Inventor	McDONALD, Michael A., et al.
Group Art Unit	<del>1614</del> 1616
Examiner Name	Not yet assigned.
Attorney Docket Number	004367.00005

**OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS**

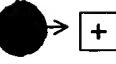
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		Dayton, et al., "Optical and Acoustical Observations of the Effects of Ultrasound on Contrast Agents," <i>IEEE Transactions On Ultrasonics, Ferroelectrics, And Frequency Control</i> , Vol. 46, No. 1: 220-232 (January 1999);	
		de Jong, et al., "Absorption And Scatter Of Encapsulated Gas Filled Microspheres: Theoretical Considerations And Some Measurements," <i>Ultrasonics</i> , Vol. 30, No. 2: 95-103 (1992);	
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		Forsberg, et al., "In Vio Evaluation of a New Contrast Agent," <i>Proceeding of 1994 IEEE Ultrasonic Symposium</i> , 1555-58 (1994);	
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		Hall, et al., "Experimental Determination Of Phase Velocity Of Perfluorocarbons: Applications To Targeted Contrast Agents), <i>IEEE Transactions On Ultrasonics, Ferroelectrics, And Frequency Control</i> , Vol. 47, No. 1: 75-84 (2000);	
		Havron, et al., "Heavy Metal Particulate Contrast Materials For Computed Tomography Of The Liver," <i>Journal of Computer Assisted Tomography</i> , Vol. 4, No. 5: 642-648 (October 1980);	
		Kimura, et al., "Preparation and Characterization of Echogenic Liposome as an Ultrasound Contrast Agent," <i>Chem. Pharm. Bull.</i> , Vol. 46, No. 10) 1493-96 (1998);	
		Lazewatsky, et al., "The Effect of Dilution Medium On The Measurement of In-Vitro Properties of Ultrasound Contrast Agents," <i>IEEE Ultrasonics Symposium</i> , 1737-1742 (1999);	

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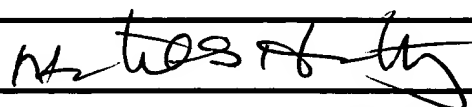
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A		Madsen, "Method Of Determination Of Acoustic Backscatter And Attenuation Coefficients Independent Of Depth And Instrumentation, <i>Ultrasonic Scattering in Biological Tissue</i> , (1993);	
P		Manry and Broschat, "FDTD Simulations for Ultrasound Propagation In A 2-D Breast Model," <i>Ultrason, Imaging</i> 18, 25-34 (1996);	
O		Mast, et al., "Simulation of Ultrasonic Pulse Propagation Through The Abdominal Wall," <i>Journal of Acoustical Society of America</i> , Vol. 102, No. 2: 1177-1190 (1997);	
O		Mattrey and Long, "Potential Role Of PFOB In Diagnostic Imaging," <i>Invest Radiol</i> , 23(Suppl 1): S298-S301 (1988);	
O		Mattrey, "Perfluorooctylbromide: A New Contrast Agent for CT, Sonography, and MR Imaging," <i>AJR</i> 152: 247-252 (1989);	
O		Medwin, "Counting Bubbles Acoustically: A Review," <i>Ultrasonics</i> , (1977);	
O		Morgan, et al., "Changes in The Echoes From Ultrasonic Contrast Agents With Imaging Parameters," <i>IEEE Transactions On Ultrasonics, Ferroelectrics, And Frequency Control</i> , Vol. 45, No. 6: 1537-1548 (November 1998);	
O		Morgan, et al., "Experimental And Theoretical Evaluation Of Microbubble Behavior: Effect Of Transmitted Phase And Bubble Size," <i>IEEE Transactions On Ultrasonics, Ferroelectrics, And Frequency Control</i> , Vo. 47, No. 6: 1494-1509 (November 2000);	
O		Niesman, et al., "Liposome Encapsulated MgCl as Liver Specific Contrast Agent for Magnetic Resonance Imaging," <i>Investigative Radiology</i> , 25: 545-51 (1990);	
O		Quinn, et al., "Gd-DTPA: An Alternative Contrast Medium For CT," <i>Journal of Computer Assisted Tomography</i> , Vol. 18, No. 4: 634-636 (July/August 1994);	
O		Sarkar and Prosperetti, "Coherent And Incoherent Scattering By Oceanic Bubbles," <i>Journal of Acoustical Society of America</i> , Vol. 96: 332-341 (1994);	
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O		Sarkar, et al., "Three Dimensional Numerical Simulation Of Bubble-Vortical Flow Interaction," <i>ASME Cavitation Multiphase Flow Forum</i> , FED-210, 135-143; (1995).	

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









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Sheet 5 of 5

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		Sarkar & Schowalter, "Deformation Of A Two-Dimensional Drop At Non-Zero Reynolds Number In Time-Periodic Extensional Flows: Numerical Simulation," <i>Journal of Fluid Mechanics</i> , accepted (2001);	
		Sarkar & Schowalter, "Deformation Of A Two-Dimensional Viscous Drop In Time-Periodic Extensional Flows: Analytical Treatment," <i>Journal of Fluid Mechanics</i> , accepted (2001);	
		Sarkar & Schowalter, "Deformation Of A Two-Dimensional Viscoelastic Drop At Non-Zero Reynolds Number In Time-Periodic Extensional Flows," <i>Journal of Non-Newtonian Fluid Mechanics</i> , Vol. 95: 315-342 (2000);	
		Sboros, et al., "An <i>In Vitro</i> Comparison of Ultrasonic Contrast Agents In Solutions With Varying Air Levels," <i>Ultrasound in Med. &amp; Biol.</i> , Vol. 26, No. 5: 807-818 (2000);	
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		Yee, "Numerical Solution of Initial Boundary Value Problems Involving Maxwell's Equations in Isotropic Media," <i>IEEE Trans. Antennas Prop.</i> , 14(8) 302-07 (1966);	
		Zolle, et al., "Preparation Of Metabolizable Radioactive Human Serum Albumin Microspheres For Studies Of The Circulation," <i>International Journal of Applied Radiation And Isotopes</i> , Vol. 21: 155-167 (1970);	

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Application Number	09/976,746
Filing Date	October 12, 2001
First Named Inventor	McDONALD, Michael A., et al.
Group Art Unit	1614-1616
Examiner Name	Not yet assigned. HART
Attorney Docket Number	004367.00005

Sheet	1	of	2
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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	09/976,746
		Filing Date	October 12, 2001
		First Named Inventor	McDONALD, Michael A., et al.
		Group Art Unit	.1616
		Examiner Name	Not yet assigned - <b>HARTLEY</b>
Sheet 2 of 2	Attorney Docket Number	004367.00005	

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	
		ZHOU R., et al.: "Bopharmaceutics of Boronated Radiosensitizers: Liposomal Formulation of MNBOPP (Manganese Chelate of 2, 4-(Alpha, Beta-Dihydroxyethyl) Deuterioporphyryn IX) and Comparative Toxicity in Mice"; <i>Journal of Pharmaceutical Sciences</i> , American Pharmaceutical Association. Washington, US, Vol. 88, no. 9, September 1999, pages 912-917	TECH CENTER 1600/2900 FEB 10 2003
		BEALL, P. et al., "Hydrogels As Oral NMR Contrast Agents and Phantom Materials", <i>Magnetic Resonance Imaging</i> , Tarrytown, NY, US, March 22, 1985, page 188.	
		TUNCAY, M., et al., "In Vitro and In Vivo Evaluation of Diclofenac Sodium Loaded Albumin Microspheres.", <i>Journal of Microencapsulation</i> , Vo. 17, no. 2, March 2000, pages 145-155.	
		BROWN, M., et al., "Transition Metal Chelate Complexes as Relaxation Modifiers in NMR", <i>Medical Physics</i> , vol. 11, no. 1, 1984, pages 67-72.	
		WOLF, G., et al., "Time Intensity Relations in Spleen with 3 MR Contrast Agents", <i>Magnetic Resonance Imaging</i> , vo. 7, no. Suppl. 1, 1989, page 19.	
		KOSTLER, W., et al., "Correlation of Time and Temperature Dependence of the Luminescence of Rare Earth Activated (Y, Gd)-20-3.", <i>Nuclear Tracks and Radiation Measurements</i> , vol. 21, no. 1, 1993, pages 135-138. International Symposium on Luminescent Detectors and Transformers of Ionizing Radiation; Riga; Latvia; October 9-12, 1991.	

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